



Product Information Sheet

Human CES1 Bactosomes

Catalogue Number: CYP152
Product Description: Human CES1 (carboxylesterase 1) expressed in *Escherichia coli*
Amount: 1 mg protein
Storage Buffer: 50 mM Tris-acetate (pH 7.6), 250 mM sucrose, 0.25 mM EDTA
Storage: Store at -80°C. Avoid frequent temperature changes. Thaw on ice.
Intended Use: For laboratory (research) purposes only.

Batch Number: 152007A

Protein Concentration: 10 mg/ml

¹CES Activity Data

Substrate: 4-nitrophenyl butyrate

²Linear with time up to: 8 min

³Linear with protein up to: 40 µg/ml

V_{max}: 431 nmol/min/mg protein

K_m: 171 µM

Approved by _____

Date 8th October 2021 _____

Notes:

¹Unless otherwise stated, all assays are carried out at 30°C in 50 mM potassium phosphate buffer (pH 7.4)/acetonitrile, 98/2 (v/v).

²Determined at 90 µM substrate, using a protein concentration of 15 µg/ml.

³Determined at 90 µM substrate.

Safety Data

The toxicological properties of this reagent have not been investigated. Exercise due care when handling.

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